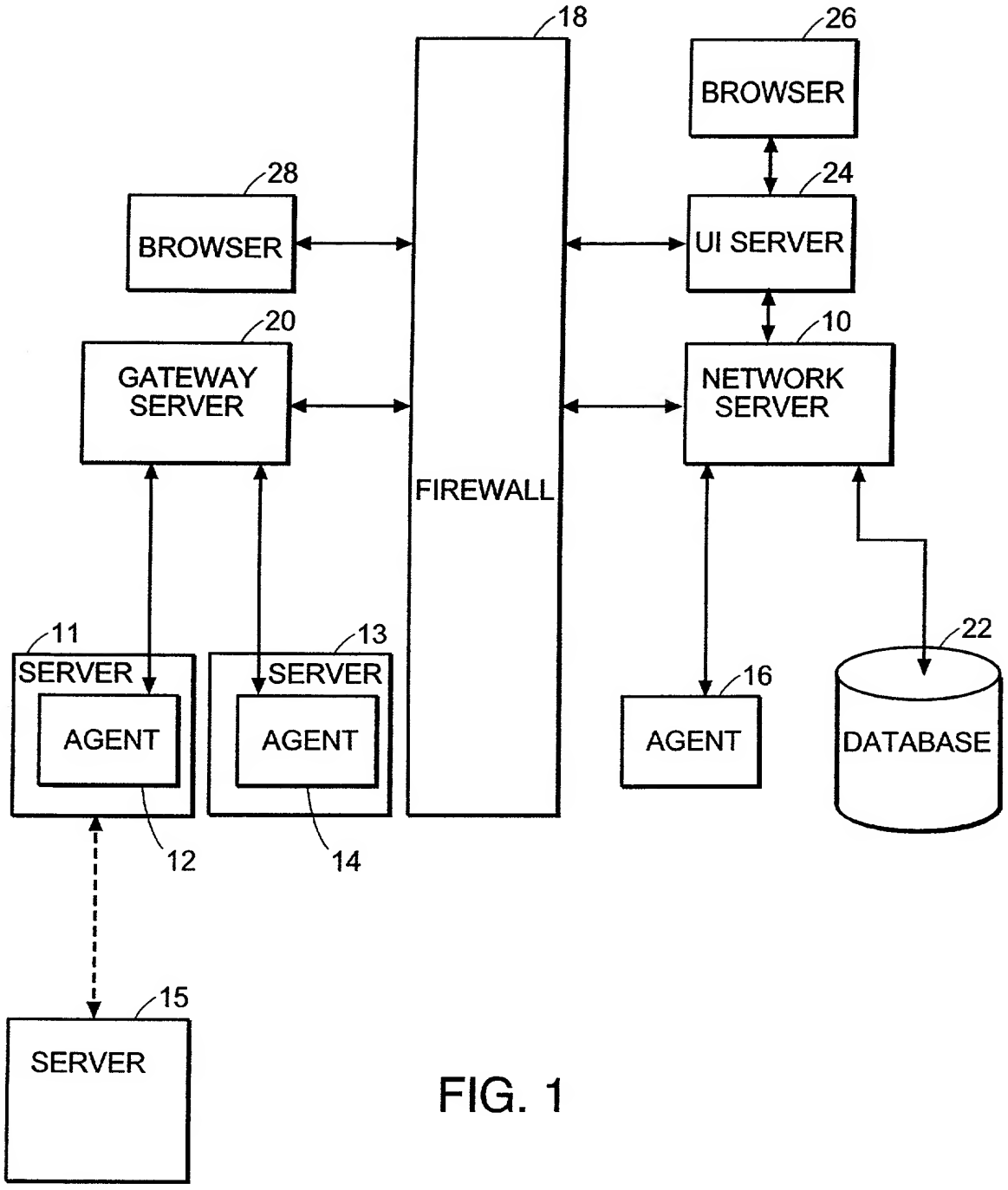
18
26
BROWSER
28
BROWSER
24
UI SERVER
20
GATEWAY SERVER
10
NETWORK SERVER
FIREWALL
11
SERVER
AGENT
13
SERVER
AGENT
16
AGENT
22
DATABASE
12
14
15
SERVER

FIG. 1

20620 SEST20T

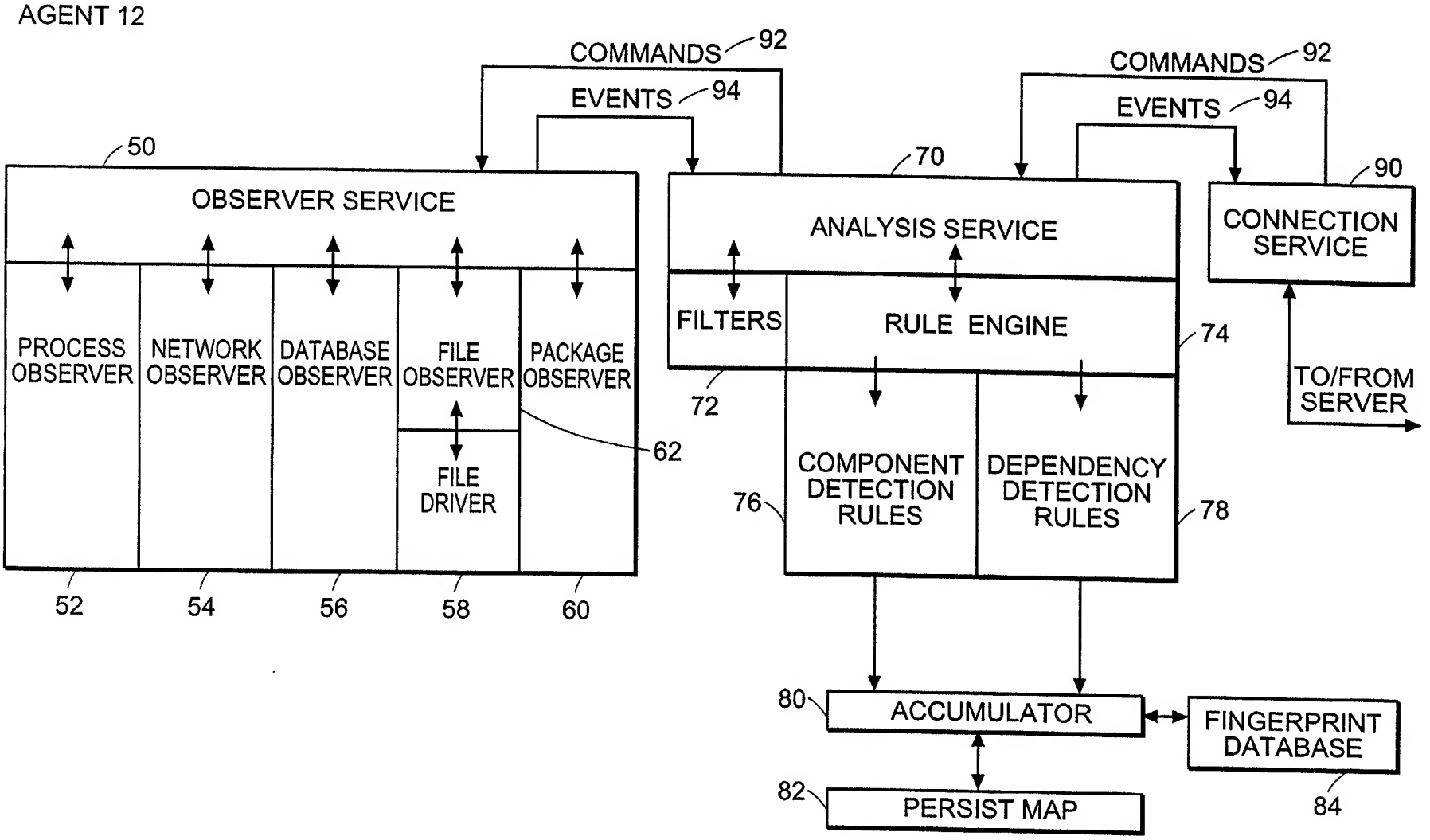

FIG. 2

20624h0" SEST20DF

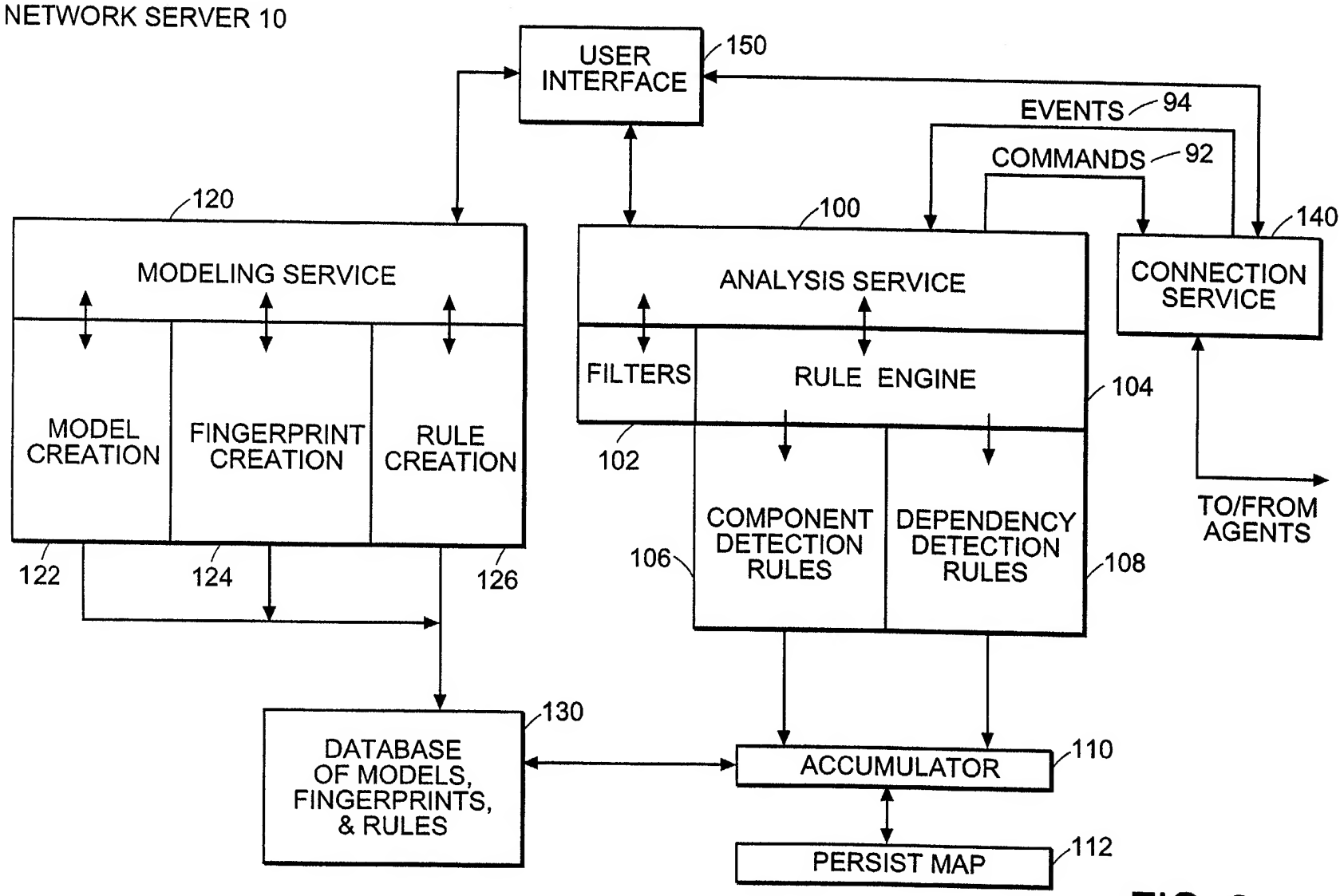

FIG. 3

F1

PASSIVE ELEMENTS	FILE1.exe FILE2.txt FILE3.dat . . . FILEX.xxx	ORGANIZATIONAL INFORMATION
ACTIVE ELEMENTS	COMMAND: CHECK SIZE AND CHECKSUM OF FILE1.exe MATCH: SUB1 OR SUB2	

FIG. 4

SUB 1

MATCH F1 ACTIVE ELEMENTS
SIZE OF FILE1.exe =XXX
CHECKSUM OF FILE 1.exe=YYY

FIG. 5A

SUB 2

MATCH F1 ACTIVE ELEMENTS
SIZE OF FILE1.exe =ZZZ
CHECKSUM OF FILE 1.exe=BBB

FIG. 5B

1002455.35 - 04/29/02

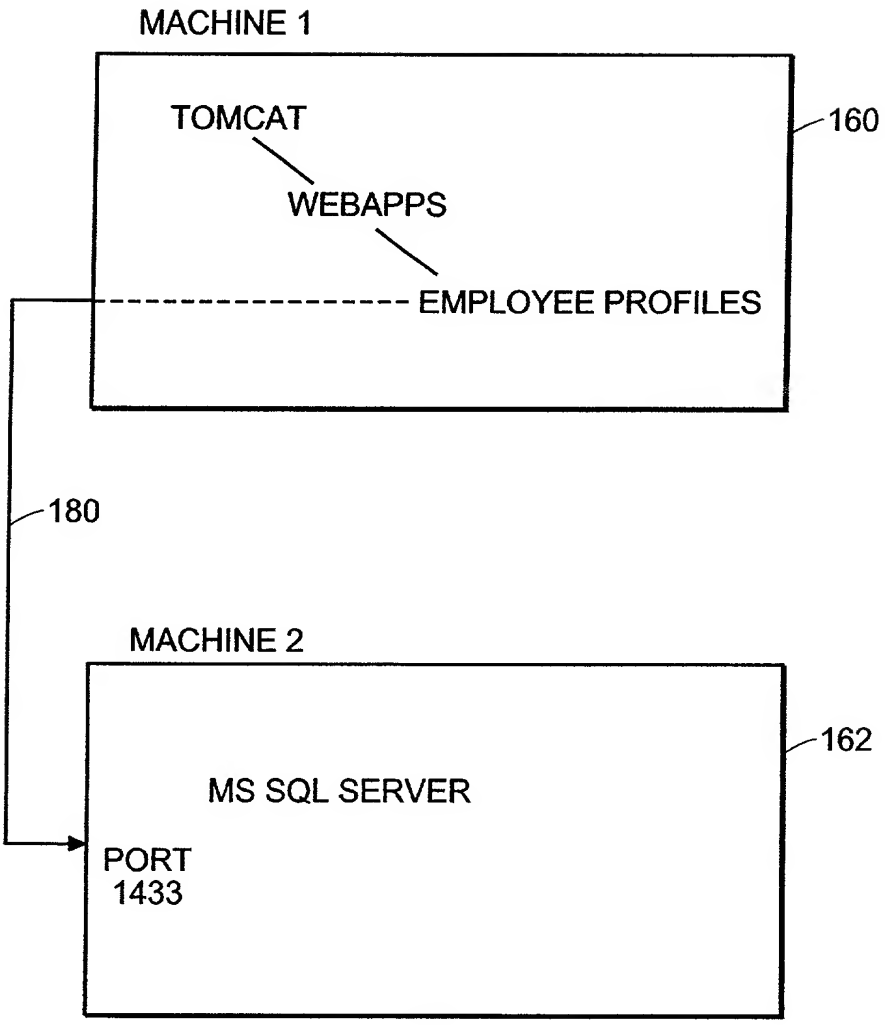

FIG. 6

10025535-042902

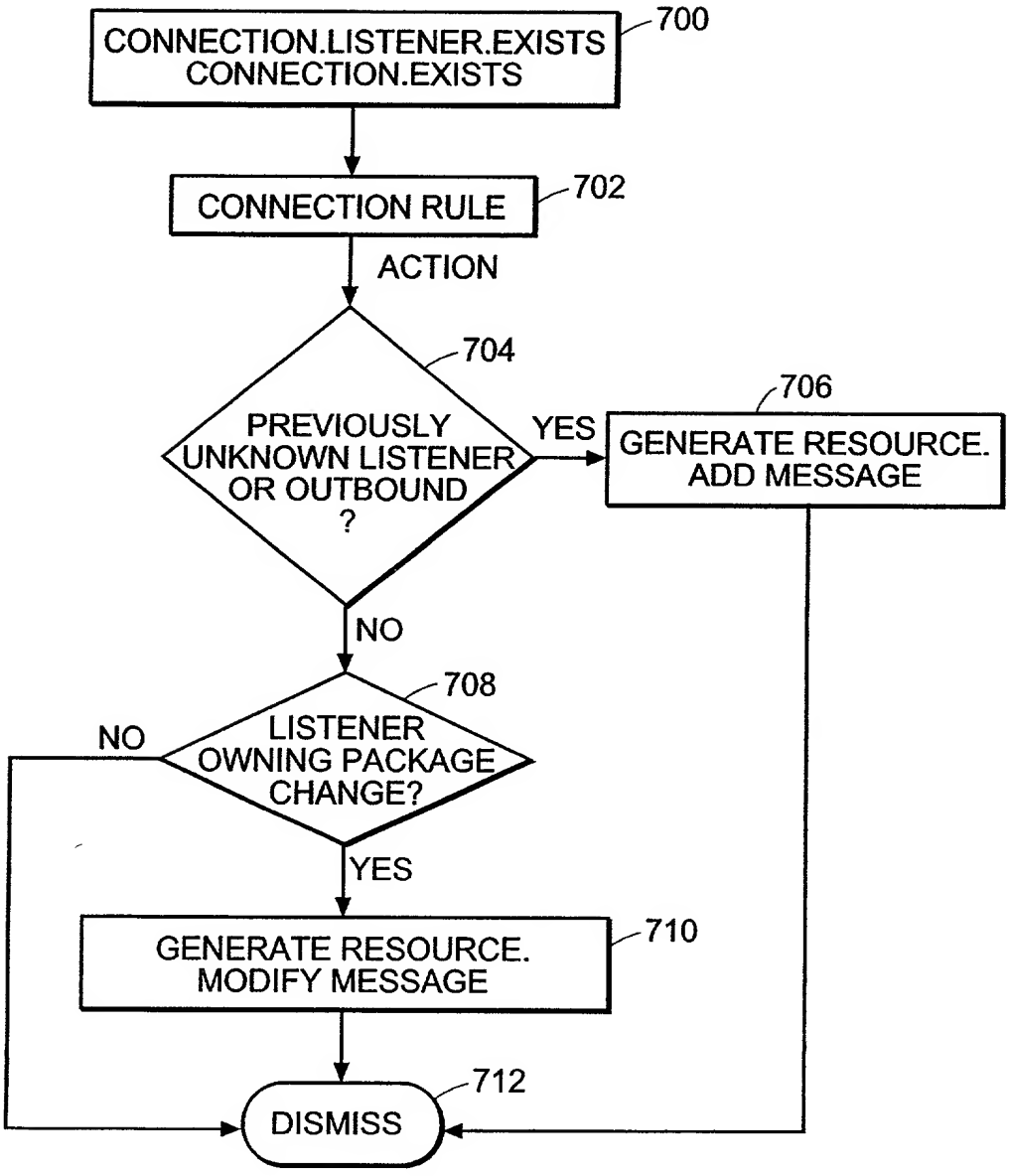

FIG. 7A

1002455535 - 042902

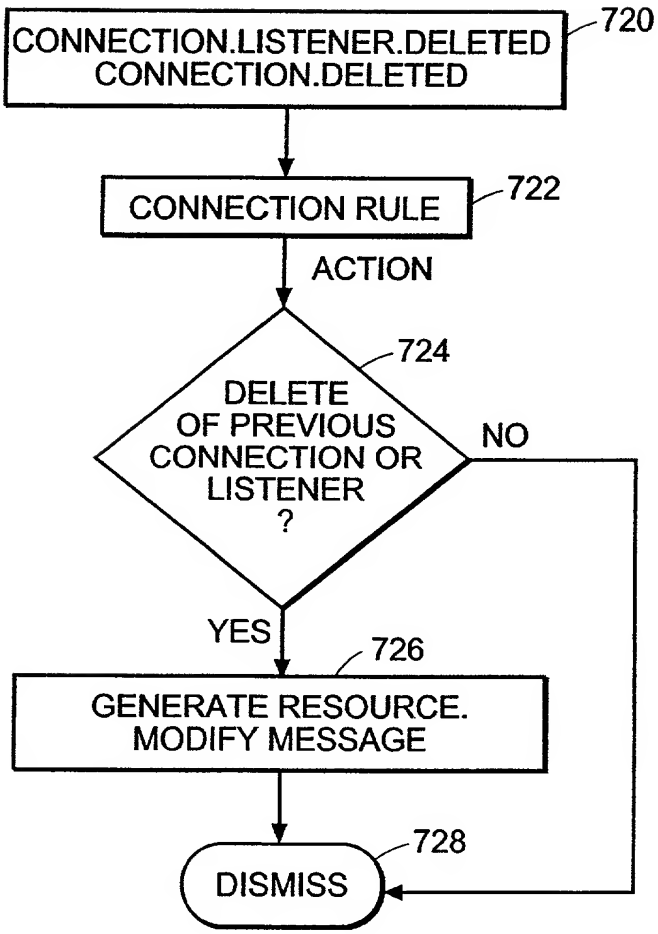
CONNECTION.LISTENER.DELETED
CONNECTION.DELETED
720
CONNECTION RULE
722
ACTION
724
DELETE OF PREVIOUS CONNECTION OR LISTENER ?
NO
YES
726
GENERATE RESOURCE. MODIFY MESSAGE
728
DISMISS

FIG. 7B

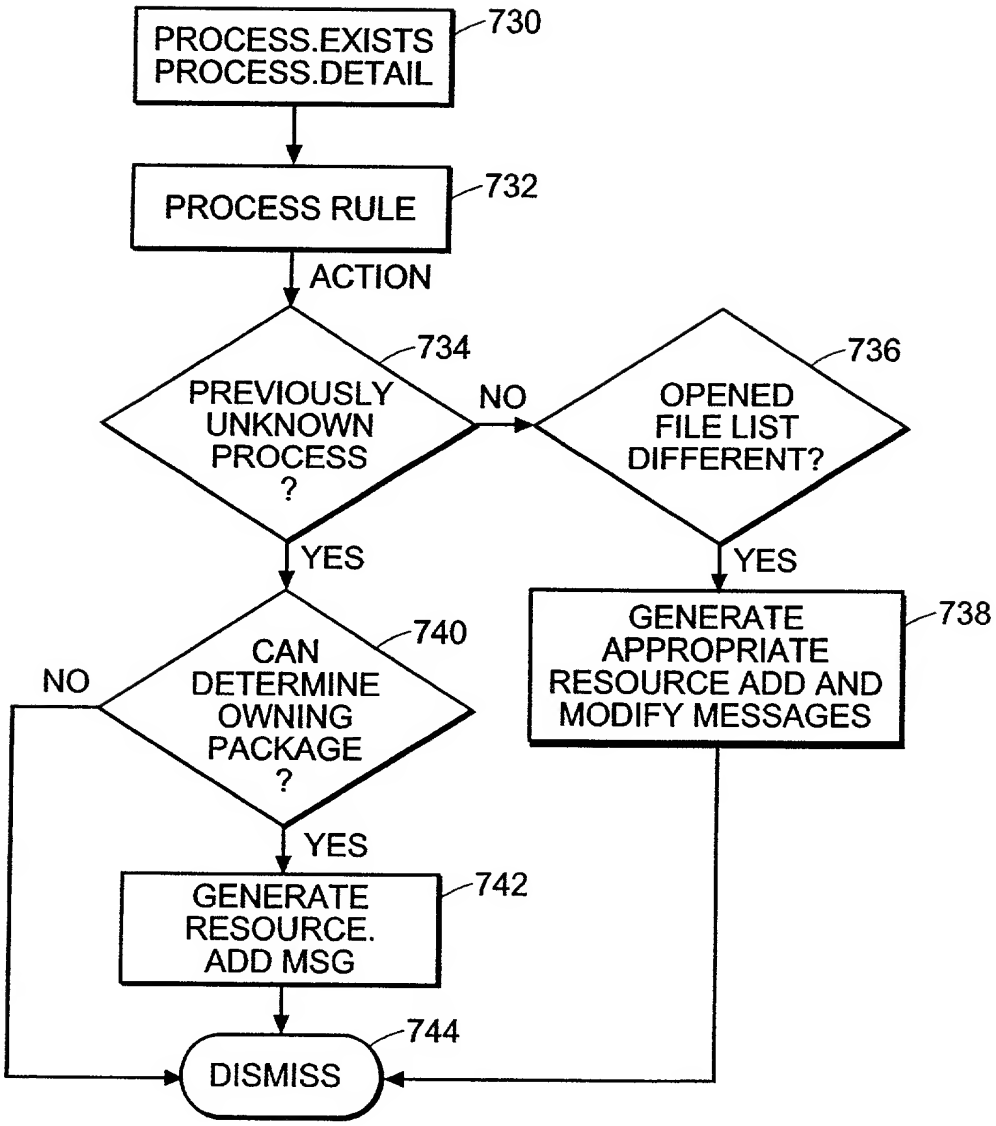
PROCESS.EXISTS
PROCESS.DETAIL
730
PROCESS RULE
732
ACTION
PREVIOUSLY UNKNOWN PROCESS ?
734
NO
OPENED FILE LIST DIFFERENT?
736
YES
YES
CAN DETERMINE OWNING PACKAGE ?
740
NO
GENERATE APPROPRIATE RESOURCE ADD AND MODIFY MESSAGES
738
YES
GENERATE RESOURCE. ADD MSG
742
DISMISS
744

FIG. 7C

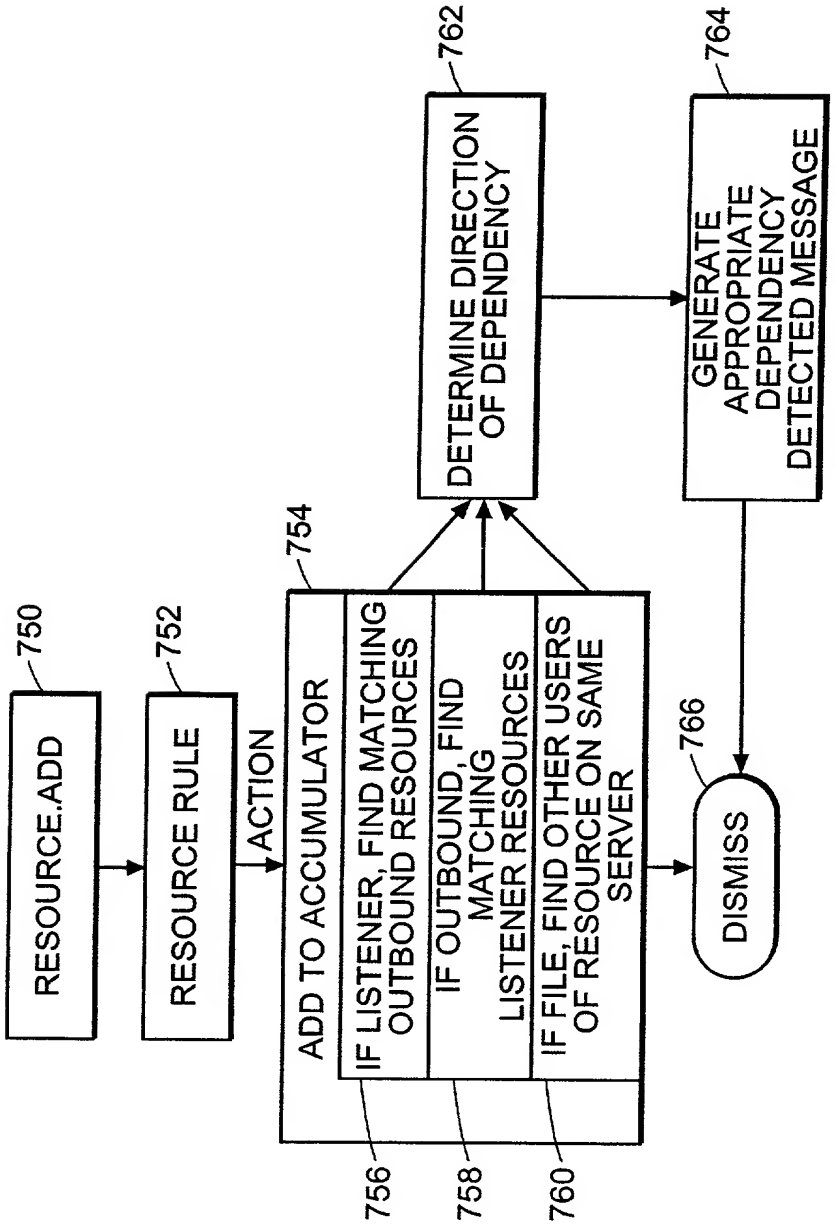
RESOURCE.ADD
750
RESOURCE RULE
752
ACTION
ADD TO ACCUMULATOR
754
IF LISTENER, FIND MATCHING OUTBOUND RESOURCES
IF OUTBOUND, FIND MATCHING LISTENER RESOURCES
IF FILE, FIND OTHER USERS OF RESOURCE ON SAME SERVER
756
758
760
DETERMINE DIRECTION OF DEPENDENCY
762
GENERATE APPROPRIATE DEPENDENCY DETECTED MESSAGE
764
DISMISS
766

FIG. 7D

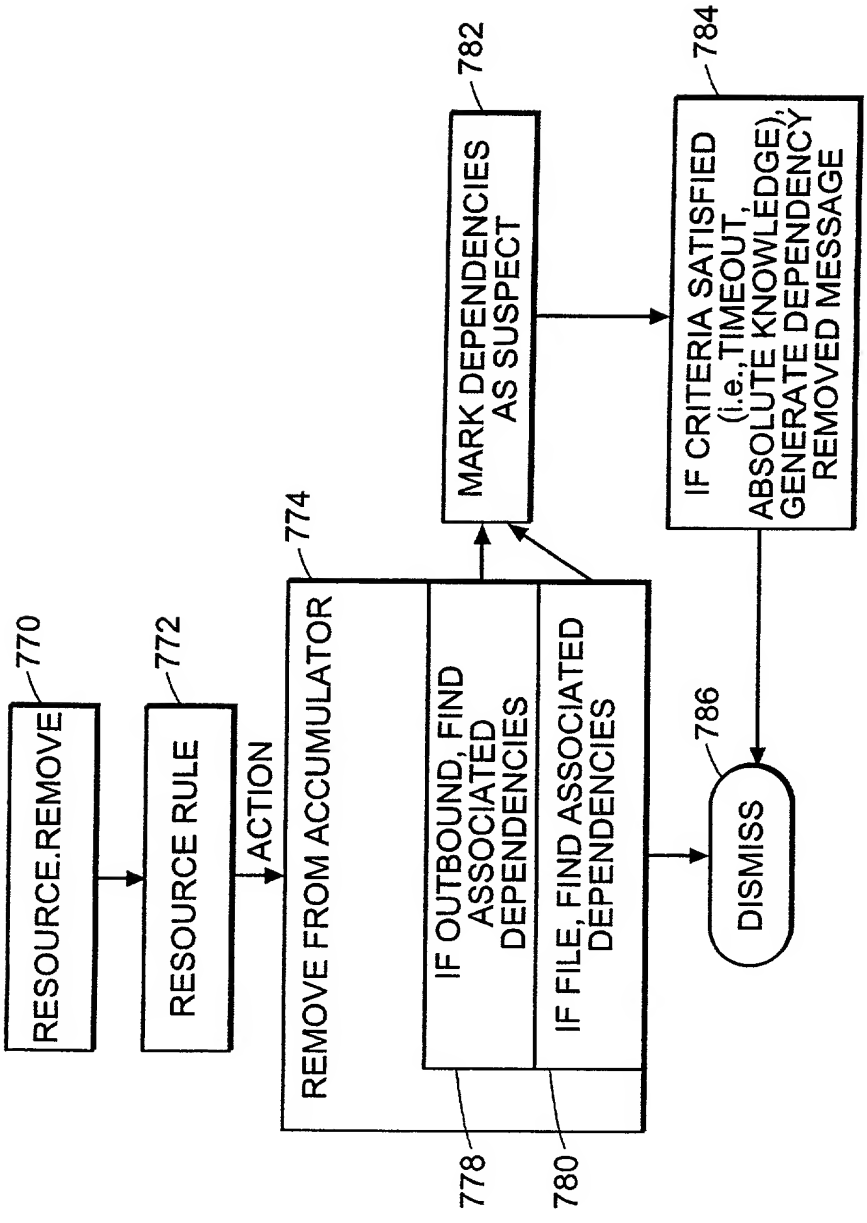
RESOURCE.REMOVE
770
RESOURCE RULE
772
ACTION
REMOVE FROM ACCUMULATOR
774
IF OUTBOUND, FIND ASSOCIATED DEPENDENCIES
778
IF FILE, FIND ASSOCIATED DEPENDENCIES
780
MARK DEPENDENCIES AS SUSPECT
782
IF CRITERIA SATISFIED (i.e., TIMEOUT, ABSOLUTE KNOWLEDGE), GENERATE DEPENDENCY REMOVED MESSAGE
784
DISMISS
786

FIG. 7E

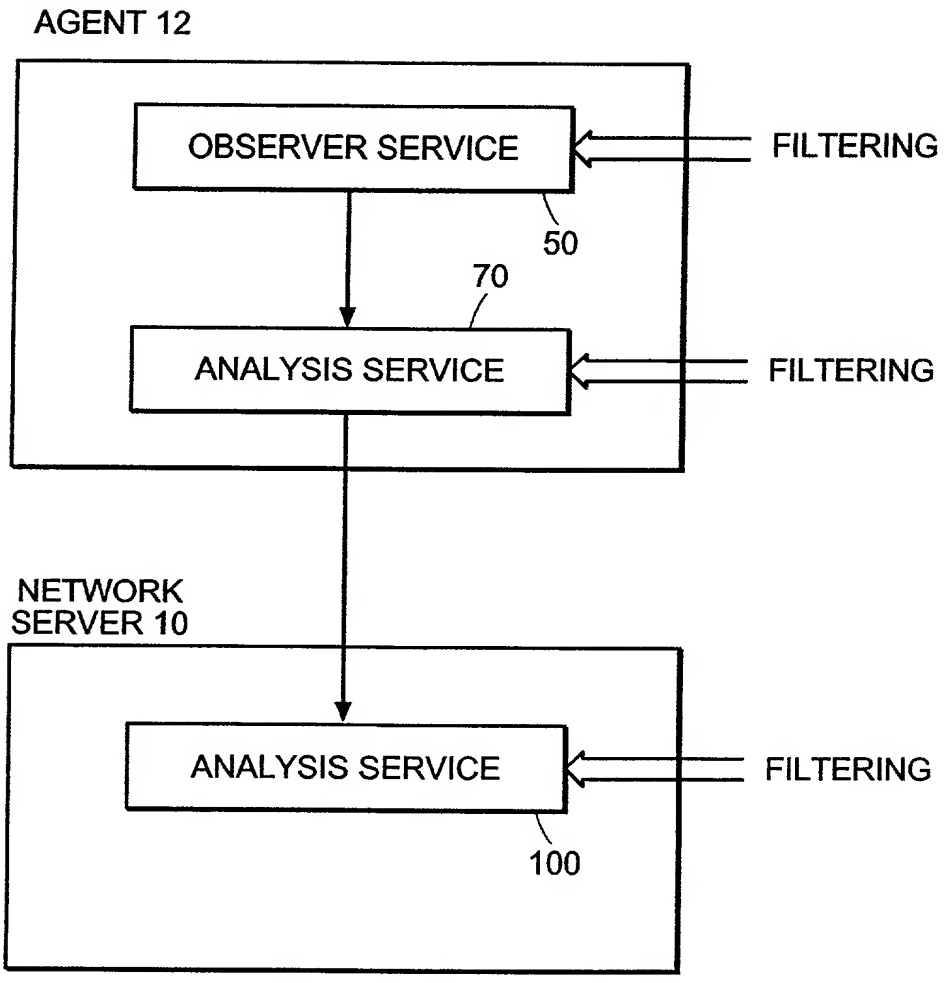
AGENT 12
OBSERVER SERVICE
FILTERING
50
70
ANALYSIS SERVICE
FILTERING
NETWORK
SERVER 10
ANALYSIS SERVICE
FILTERING
100

FIG. 8

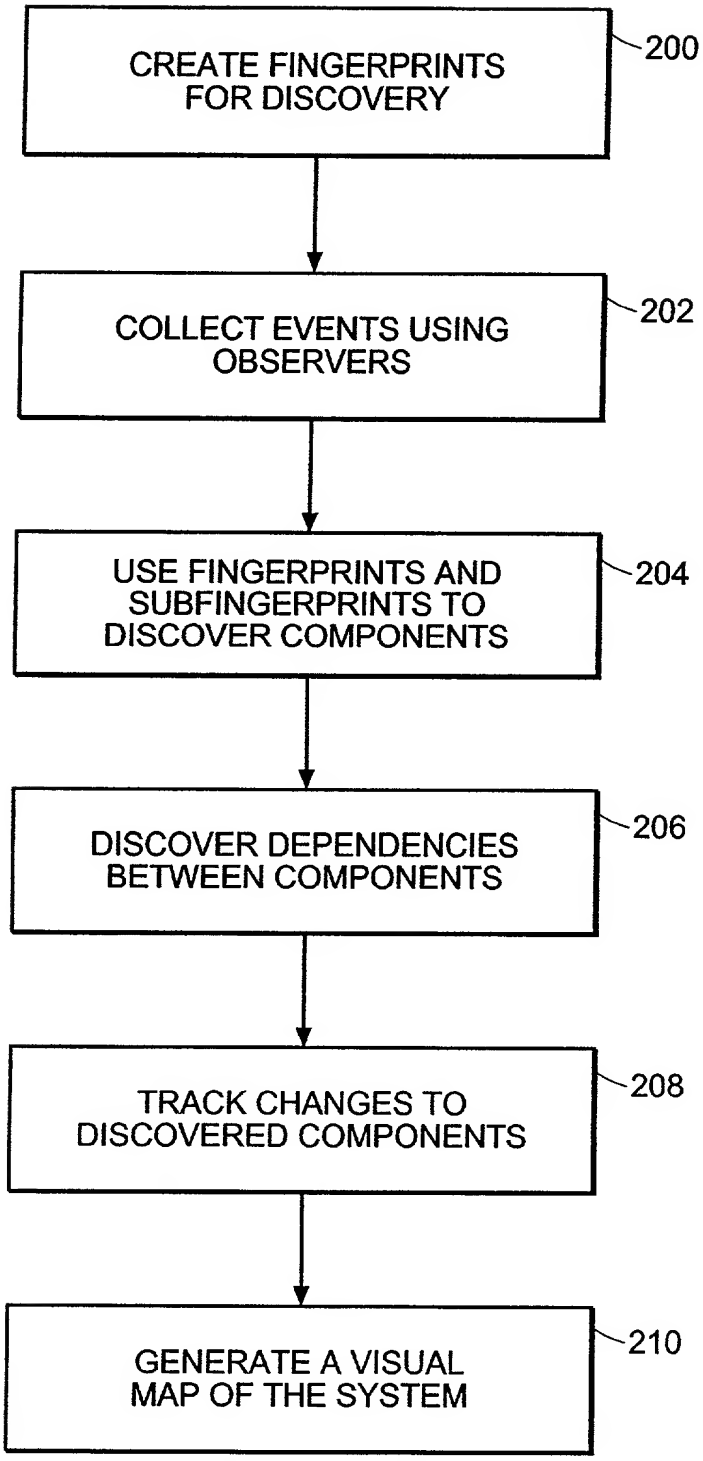

FIG. 9

10022455 - 042602

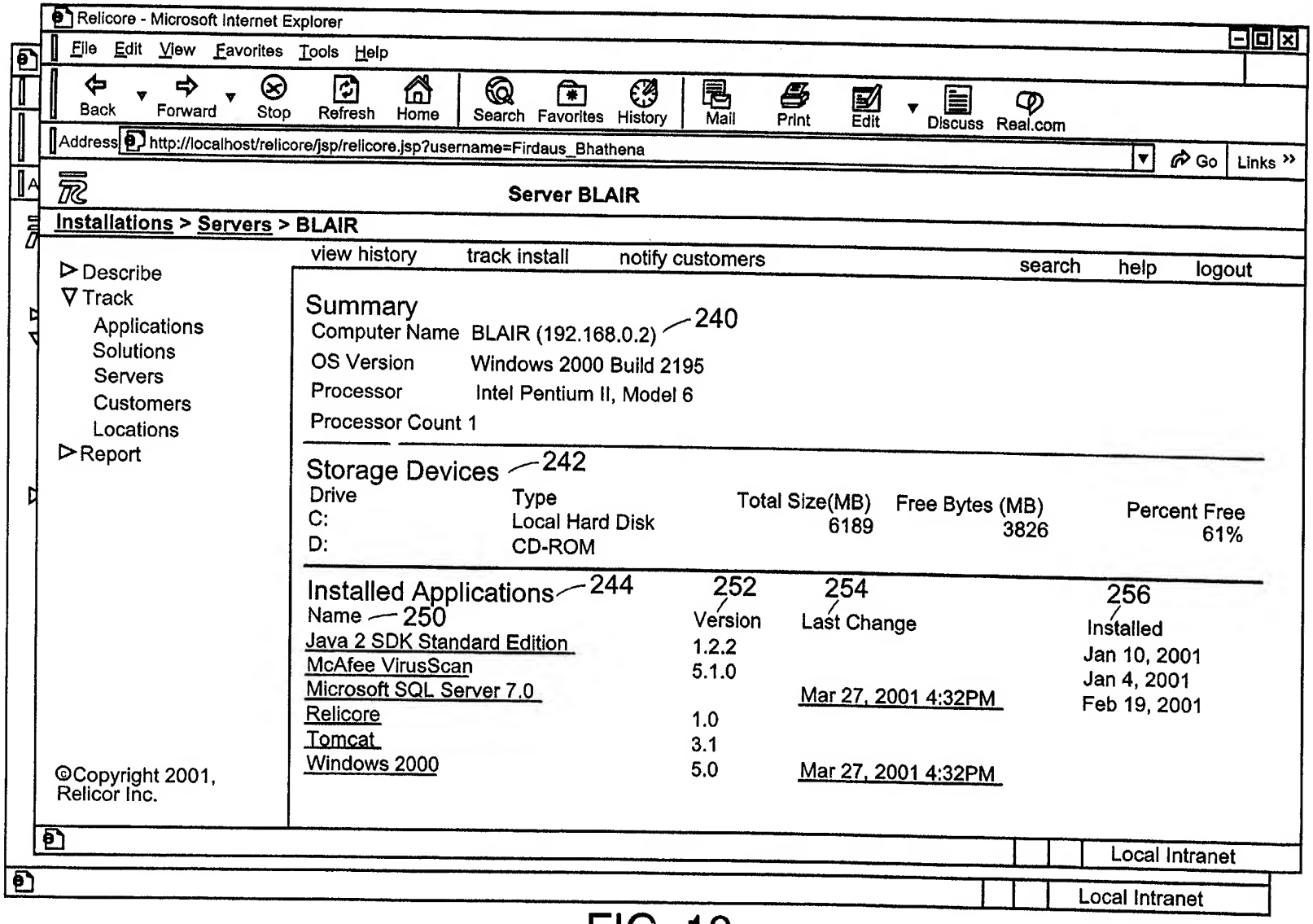
Relicore - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Real.com
Address http://localhost/relicore/jsp/relicore.jsp?username=Firdaus_Bhathena
Go Links
Server BLAIR
Installations > Servers > BLAIR
view history track install notify customers search help logout
Describe
Track
Applications
Solutions
Servers
Customers
Locations
Report
Summary
Computer Name BLAIR (192.168.0.2) 240
OS Version Windows 2000 Build 2195
Processor Intel Pentium II, Model 6
Processor Count 1
Storage Devices 242
Drive Type Total Size(MB) Free Bytes (MB) Percent Free
C: Local Hard Disk 6189 3826 61%
D: CD-ROM
Installed Applications 244
252 254 256
Name 250 Version Last Change Installed
Java 2 SDK Standard Edition 1.2.2 Jan 10, 2001
McAfee VirusScan 5.1.0 Jan 4, 2001
Microsoft SQL Server 7.0 Mar 27, 2001 4:32PM Feb 19, 2001
Relicore 1.0
Tomcat 3.1
Windows 2000 5.0 Mar 27, 2001 4:32PM
©Copyright 2001, Relicor Inc.
Local Intranet
Local Intranet

FIG. 10

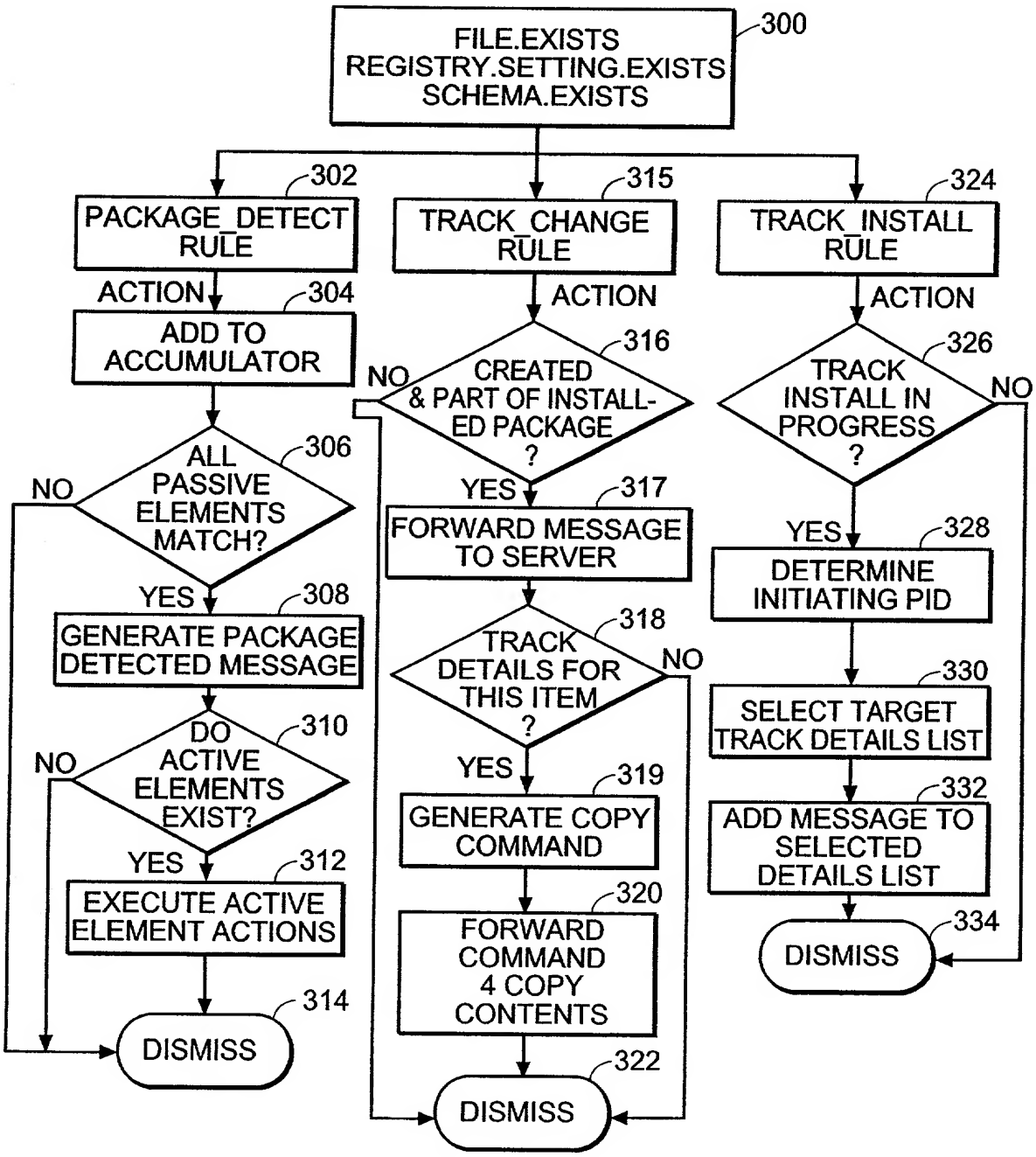
FILE.EXISTS
REGISTRY.SETTING.EXISTS
SCHEMA.EXISTS
300
PACKAGE_DETECT RULE
302
ACTION
ADD TO ACCUMULATOR
304
ALL PASSIVE ELEMENTS MATCH?
306
NO
YES
GENERATE PACKAGE DETECTED MESSAGE
308
DO ACTIVE ELEMENTS EXIST?
310
NO
YES
EXECUTE ACTIVE ELEMENT ACTIONS
312
DISMISS
314
TRACK_CHANGE RULE
315
ACTION
CREATED & PART OF INSTALL-ED PACKAGE ?
316
NO
YES
FORWARD MESSAGE TO SERVER
317
TRACK DETAILS FOR THIS ITEM ?
318
NO
YES
GENERATE COPY COMMAND
319
FORWARD COMMAND 4 COPY CONTENTS
320
DISMISS
322
TRACK_INSTALL RULE
324
ACTION
TRACK INSTALL IN PROGRESS ?
326
NO
YES
DETERMINE INITIATING PID
328
SELECT TARGET TRACK DETAILS LIST
330
ADD MESSAGE TO SELECTED DETAILS LIST
332
DISMISS
334

FIG. 11

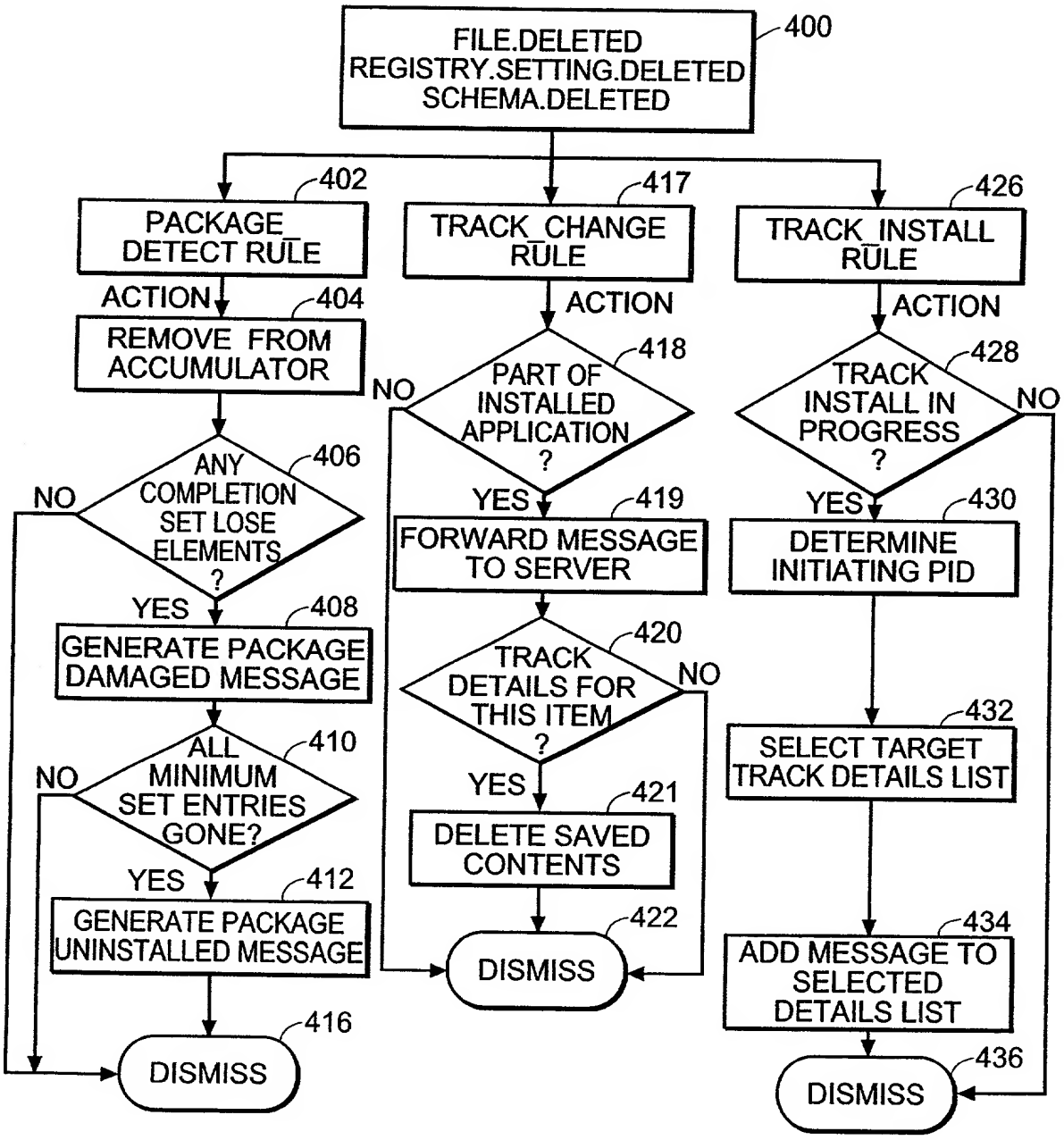
FILE.DELETED
REGISTRY.SETTING.DELETED
SCHEMA.DELETED
400
PACKAGE_ DETECT RULE
402
ACTION
REMOVE FROM ACCUMULATOR
404
ANY COMPLETION SET LOSE ELEMENTS ?
406
NO
YES
GENERATE PACKAGE DAMAGED MESSAGE
408
ALL MINIMUM SET ENTRIES GONE?
410
NO
YES
GENERATE PACKAGE UNINSTALLED MESSAGE
412
DISMISS
416
TRACK_CHANGE RULE
417
ACTION
PART OF INSTALLED APPLICATION ?
418
NO
YES
FORWARD MESSAGE TO SERVER
419
TRACK DETAILS FOR THIS ITEM ?
420
NO
YES
DELETE SAVED CONTENTS
421
DISMISS
422
TRACK_INSTALL RULE
426
ACTION
TRACK INSTALL IN PROGRESS ?
428
NO
YES
DETERMINE INITIATING PID
430
SELECT TARGET TRACK DETAILS LIST
432
ADD MESSAGE TO SELECTED DETAILS LIST
434
DISMISS
436

FIG. 12

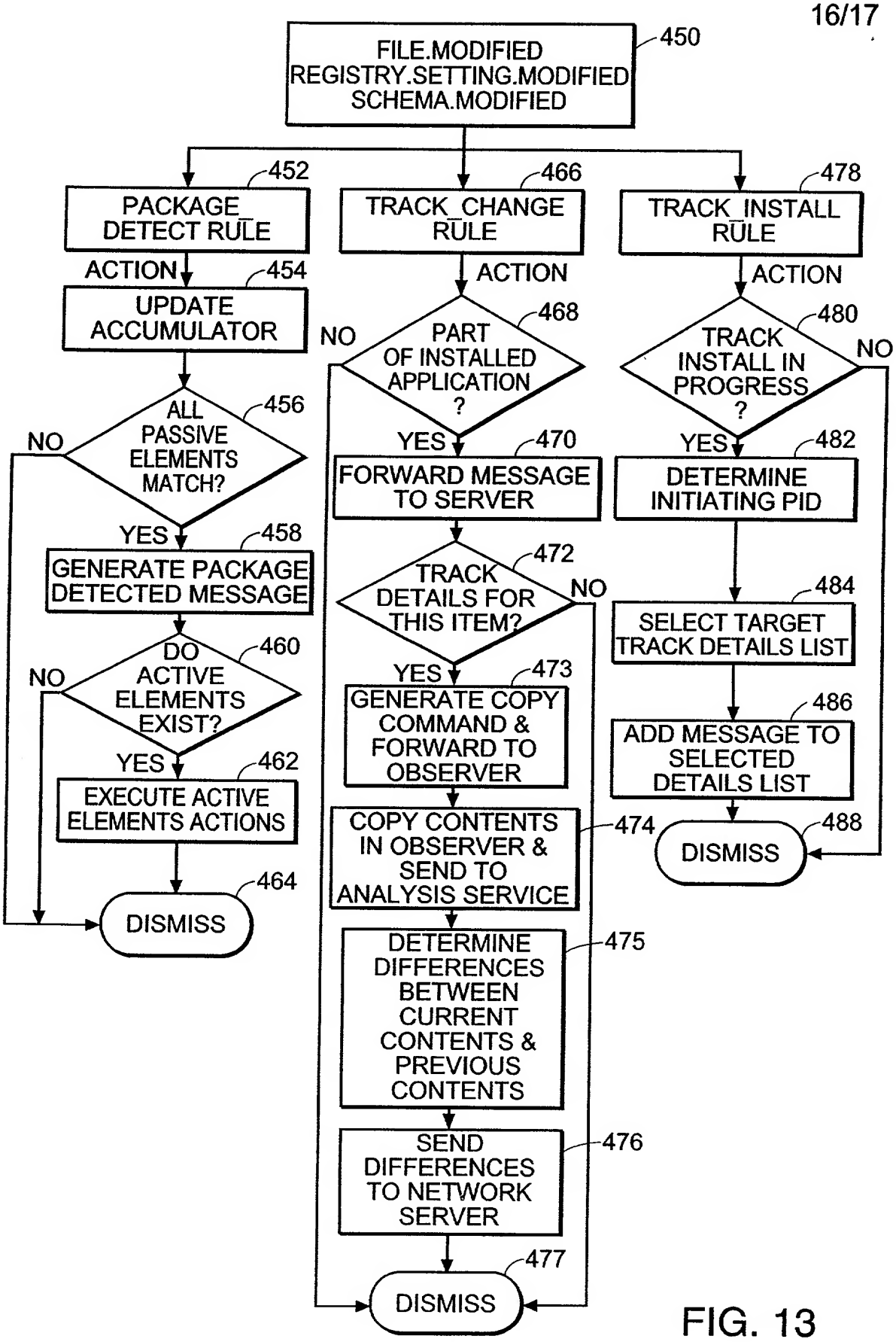
FILE.MODIFIED
REGISTRY.SETTING.MODIFIED
SCHEMA.MODIFIED
450
PACKAGE_DETECT RULE
452
ACTION
UPDATE ACCUMULATOR
454
ALL PASSIVE ELEMENTS MATCH?
456
NO
YES
GENERATE PACKAGE DETECTED MESSAGE
458
DO ACTIVE ELEMENTS EXIST?
460
NO
YES
EXECUTE ACTIVE ELEMENTS ACTIONS
462
DISMISS
464
TRACK_CHANGE RULE
466
ACTION
PART OF INSTALLED APPLICATION ?
468
NO
YES
FORWARD MESSAGE TO SERVER
470
TRACK DETAILS FOR THIS ITEM?
472
NO
YES
GENERATE COPY COMMAND & FORWARD TO OBSERVER
473
COPY CONTENTS IN OBSERVER & SEND TO ANALYSIS SERVICE
474
DETERMINE DIFFERENCES BETWEEN CURRENT CONTENTS & PREVIOUS CONTENTS
475
SEND DIFFERENCES TO NETWORK SERVER
476
DISMISS
477
TRACK_INSTALL RULE
478
ACTION
TRACK INSTALL IN PROGRESS ?
480
NO
YES
DETERMINE INITIATING PID
482
SELECT TARGET TRACK DETAILS LIST
484
ADD MESSAGE TO SELECTED DETAILS LIST
486
DISMISS
488

FIG. 13

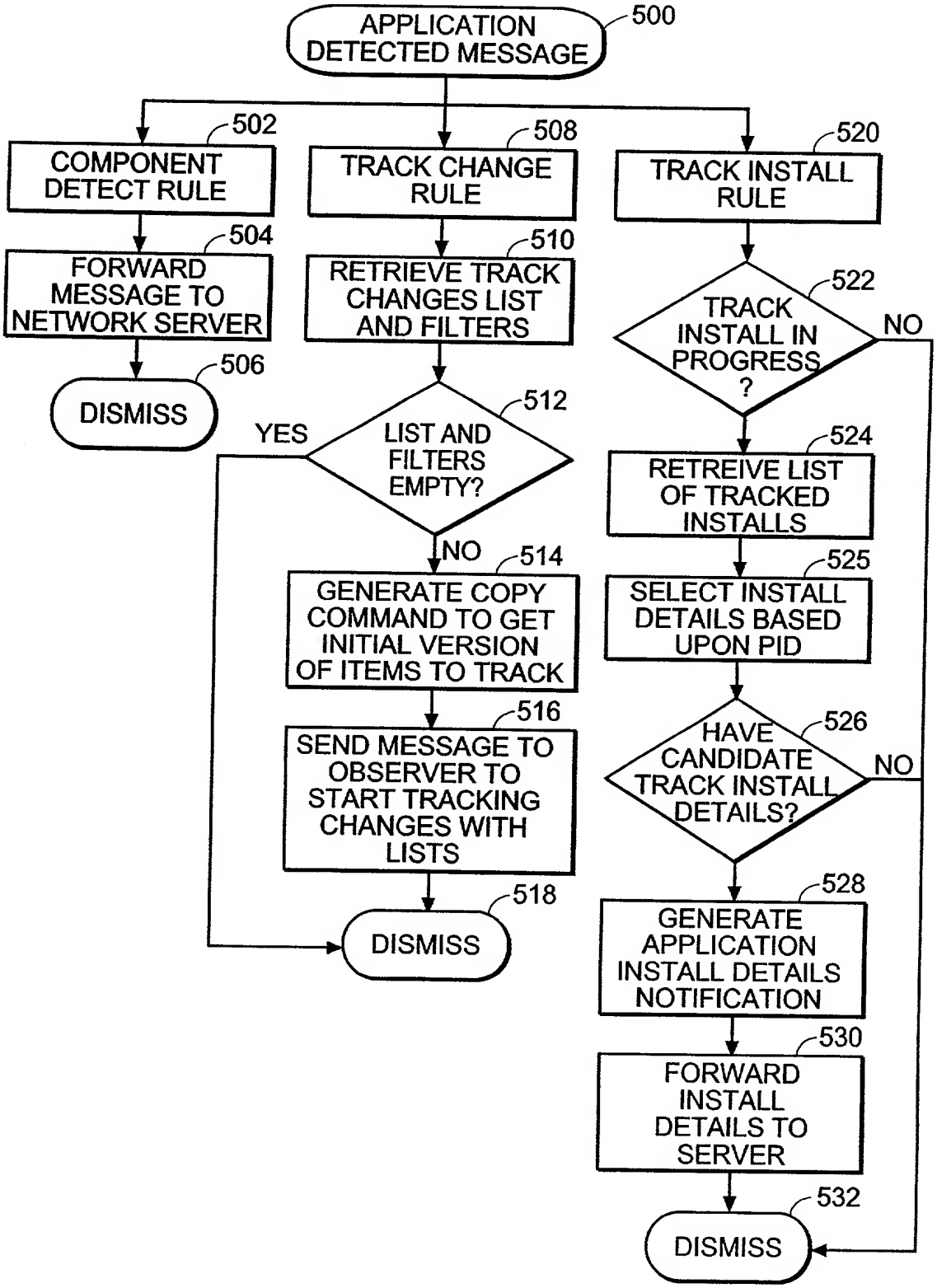

FIG. 14

10024535 - 042902